PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF INSTALLING A NEW UNMANNED SHELTER ON A NEW CONCRETE PAD AT GRADE.

PROJECT INFORMATION

APPLICANT ADDRESS:

BECHTEL ASSOCIATES PROFESSIONAL CORPORATION 100 PERIMETER PARK, SUITE H

MORRISVILLE, NC 27560

PROJECT MANAGER: ENGINEERING CONTACT PAUL KOSKI STEVE GRAHAM JURISDICTION CITY OF DURHAM, NC

LATITUDE: N 35.935905' (WGS84) LONGITUDE: W 78.908943' (WGS84)

DRAWING INDEX

DRAWING NO.	SHEET NO.	DESCRIPTION	REV
H0123-00000-ZN-00001	01	TITLE SHEET	0
H0123-00000-ZN-00002	02	OVERALL PROPERTY BOUNDARY	0
H0123-00000-ZN-00003	03	SURVEY	0
H0123-00000-ZN-00004	04	SITE & UTILITY PLAN	0
H0123-00000-ZN-00005	05	GRADING & EROSION CONTROL PLAN	0
H0123-00000-ZN-00006	06	LANDSCAPE PLAN	0
H0123-00000-ZN-00007	07	COMPOUND ELEVATION	0
H0123-00000-ZN-00008	08	SITE DETAILS	0

SITE DATA TABLE

PIN	072902654657	
ZONING	RS-20	
WATERSHED	FRAZIER LAKE	
OVERLAY DISTRICT	NONE	
RIVER BASIN	JORDAN LAKE BASIN	
CURRENT USE	CITY PARK	
PROPOSED USE	CITY PARK & FIBER OPTIC ENCLOSURE	
EXISTING IMPERVIOUS AREA REMOVED	2935 SF = 0.07 AC.	
PROPOSED IMPERVIOUS AREA	2360 SF = 0.05 AC.	
NET CHANGE IN IMPERVIOUS AREA	575 SF (0.02 AC.) DECREASE	
PARKING DATA	NO SPACES REQUIRED (UNINHABITED BUILDING), 1 SPACE PROVIDED (IN DRIVEWAY)	
BICYCLE PARKING DATA	2 SPACES REQUIRED, 2 SPACES PROVIDED	
TOTAL DISTURBED AREA	0.11 AC.	
BUILDING SQUARE FOOTAGE	360 SF	
TREE COVERAGE	ENCLOSURE SCREENING PROVIDED TO MEET CITY OF DURHAM UNIFIED DEVELOPMENT ORDINANCE	

Dewberry

Dewberry Engineers Inc. 2301 REXWOODS DRIVE SUITE 200 RALEIGH, NC 27607

BECHTEL ASSOCIATES PROFESSIONAL CORPORATION

5275 WESTVIEW DRIVE FREDERICK, MD. 21703 PHONE: (301) 228-6000

FIBER HUT ID #: RDU123

4704 FAYETTEVILLE RD. **DURHAM, NC 27713**

Fiber Project

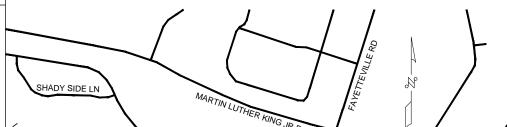
SITE PLAN SITE NAME: SOLITE PARK

FIBER LAS ID NO.: RDU-123

FIBER HUT FACILITY DEPLOYMENT PROJECT

VICINITY MAP

DIRECTION; from bechtel office located at 100 perimeter park dr. morrisville, nc 27560 depart perimeter park dr toward airport blvd. Turn right onto airport blvd. Turn left and merge onto 1-40 west. Take exit 276, keep right at the fork to merge onto fayetteville rd. and arrive at hut location rdu-123 on left 2.3 miles from



UNITED DR PANAMA TERR **HUT SITE RDU-123**

DURHAM ROSALINE LN

ORINDO DR EBON RD

Fiber Project

APPLICABLE BUILDING CODES AND STANDARDS

SUBCONTRACTOR'S WORK SHALL COMPLY WITH ALL APPLICABLE NATIONAL, STATE, AND LOCAL CODES AS ADOPTED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ) FOR THE LOCATION. THE EDITION OF THE AHJ ADOPTED CODES AND STANDARDS IN EFFECT ON THE DATE OF CONTRACT AWARD SHALL GOVERN THE DESIGN.

BUILDING CODE: [INTERNATIONAL BUILDING CODE] IBC & IRC [STATE BUILDING CODE] — CURRENT VERSION

ELECTRICAL CODE: [NATIONAL ELECTRICAL CODE] NEC NFPA 70

[FIRE/LIFE SAFETY CODE] NFPA-101 LIFE SAFETY CODE

SUBCONTRACTOR'S WORK SHALL COMPLY WITH THE LATEST EDITION OF THE FOLLOWING STANDARDS: AMERICAN CONCRETE INSTITUTE (ACI) 318, BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC), MANUAL OF STEEL CONSTRUCTION ANSI-J-STD-607-A, COMMERCIAL BUILDING GROUNDING (EARTHING) AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS NECA/BICSI-607, TELECOMMUNICATIONS BONDING AND GROUNDING PLANNING AND INSTALLATION METHODS FOR TIA 607, COMMERCIAL BUILDING GROUNDING AND BONDING REQUIREMENTS FOR TELECOMMUNICATIONS

INSTITUTE FOR ELECTRICAL AND ELECTRONICS ENGINEERS (IEEE) 81, GUIDE FOR MEASURING EARTH RESISTIVITY, GROUND IMPEDANCE, AND EARTH SURFACE POTENTIALS OF A GROUND SYSTEM IEEE 1100 RECOMMENDED PRACTICE FOR POWERING AND GROUNDING OF ELECTRONIC EQUIPMENT

IEEE C2 NATIONAL ELECTRIC SAFETY CODE, LATEST VERSION

TELCORDIA GR-1275, GENERAL INSTALLATION REQUIREMENTS

FOR ANY CONFLICTS BETWEEN SECTIONS OF LISTED CODES AND STANDARDS REGARDING MATERIAL, METHODS OF CONSTRUCTION, OR OTHER REQUIREMENTS, THE MOST RESTRICTIVE REQUIREMENT SHALL GOVERN. WHERE THERE IS CONFLICT BETWEEN A GENERAL REQUIREMENT AND A SPECIFIC REQUIREMENT, THE SPECIFIC REQUIREMENT SHALL GOVERN.

DURHAM CITY-COUNTY APPROVAL STAMP

ADMINISTRATIVE SITE PLAN NO .:

PROVIDE TWO (2) SETS OF APPROVED SITE PLAN DOCUMENTS TO ENGINEERING INSPECTIONS, 3RD FLOOR, 101 CITY HALL PLAZA, DURHAM, NC 27701 AT LEAST 5 DAYS PRIOR TO BEGINNING CONSTRUCTION AND CONTACT ENGINEERING INSPECTIONS AT 560-4326 AT LEAST 48 HOURS PRIOR TO BEGINNING CONSTRUCTION. CASE #: XXXXXXXX

GENERATOR NOTE: PROPOSED PROJECT CONTAINS A CUMMINS GGHG 85 KW GENERATOR. GENERATOR WILL HAVE A NATURAL GAS CONNECTION AND NO FUEL STORAGE TANKS ARE PROPOSED. GENERATOR WILL BE APPROXIMATELY 3' FROM THE PROPOSED BUILDING.

0 07-15-15 SUBMITTAL TO CITY ISH BY CHK SUPVAPP'D DATE REVISIONS

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TITLE SHEET

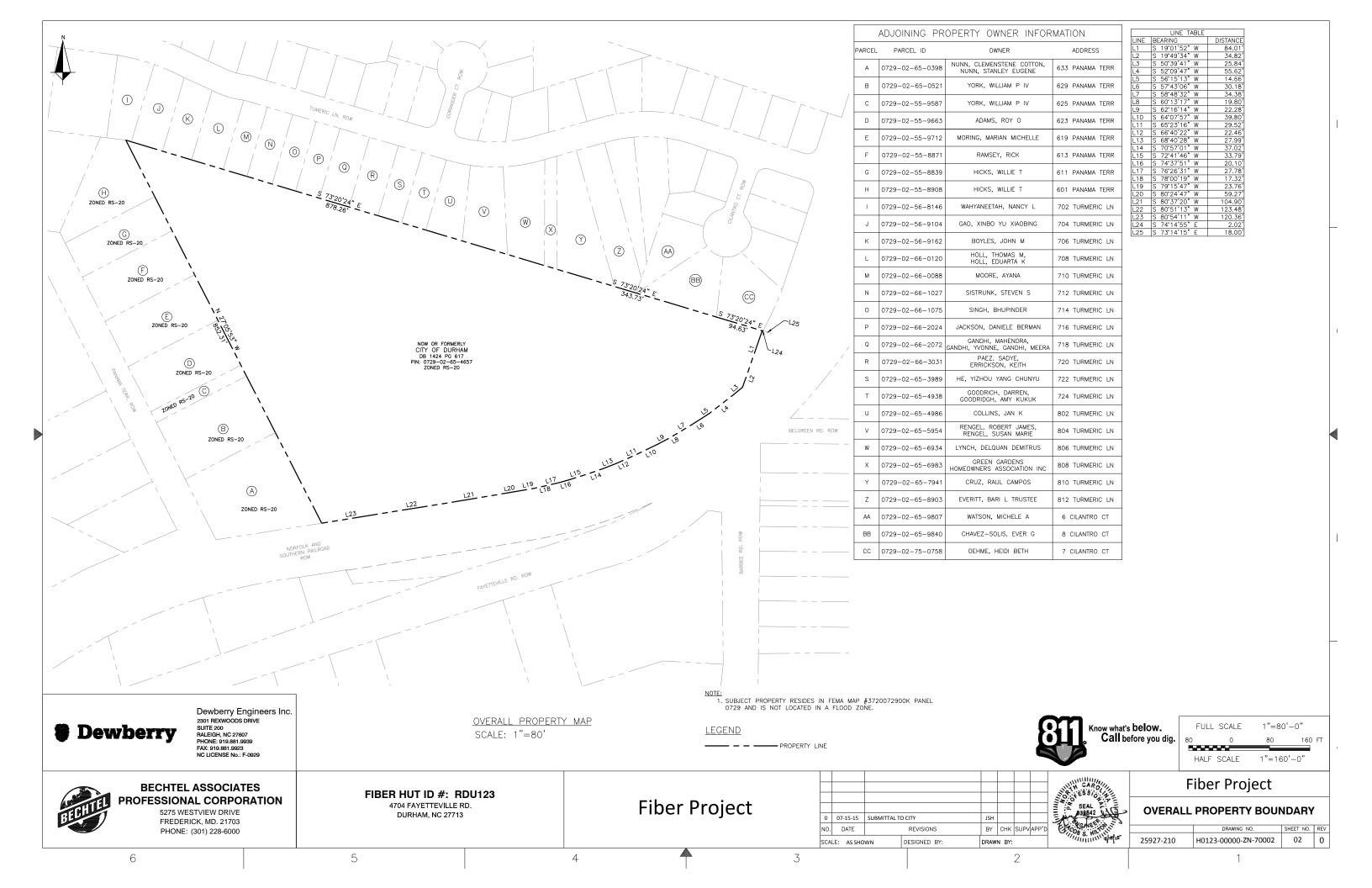
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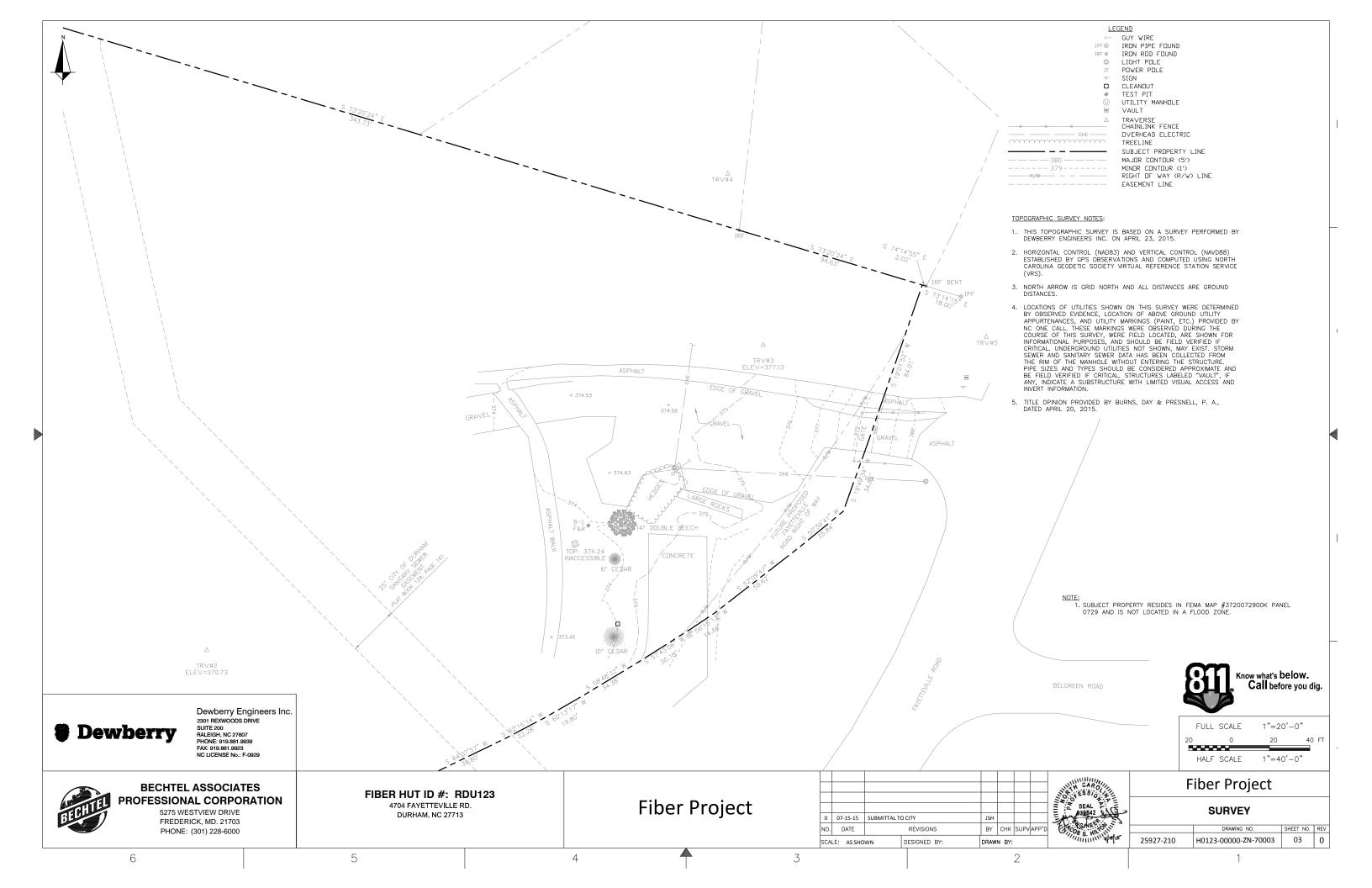
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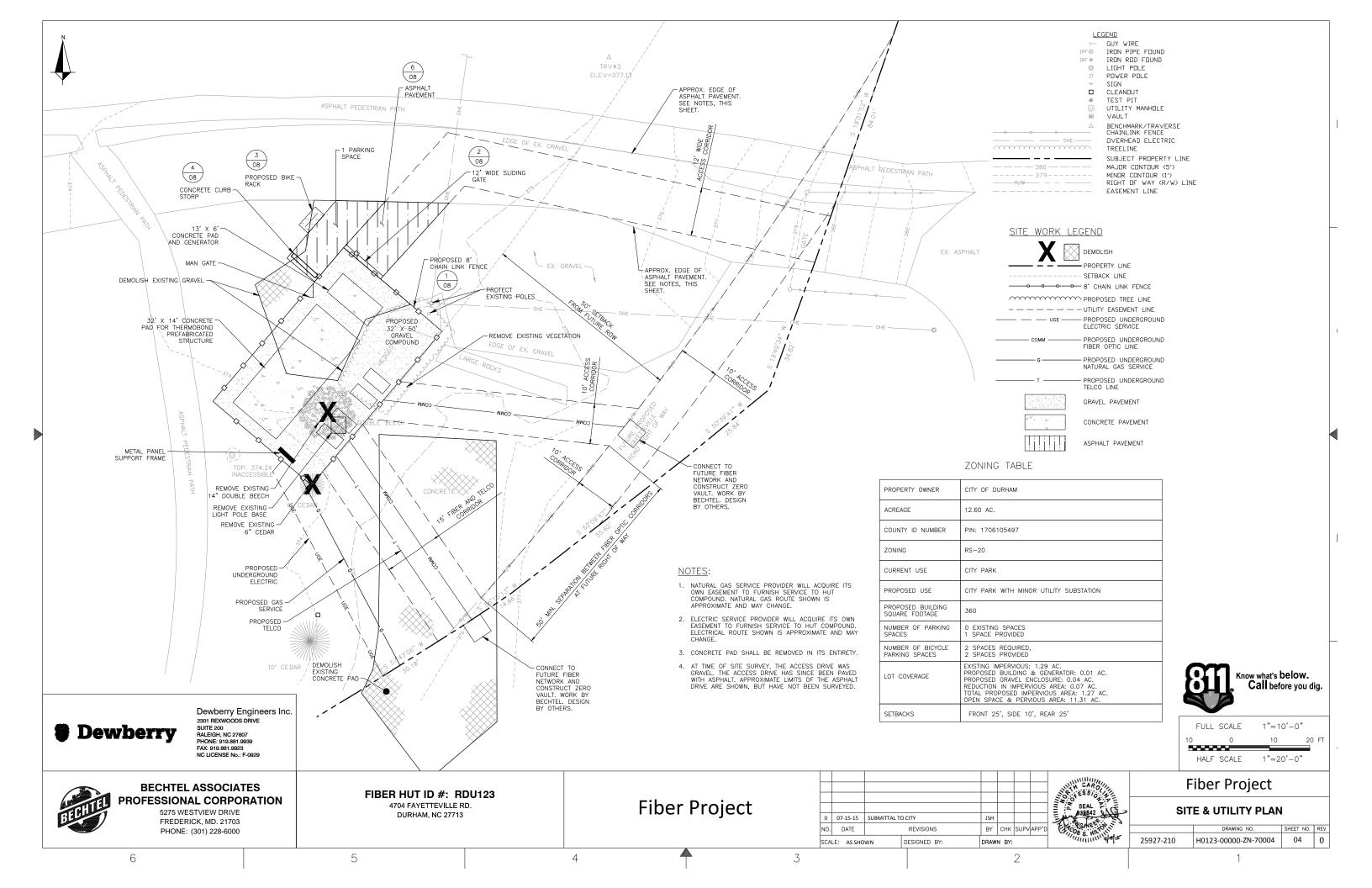
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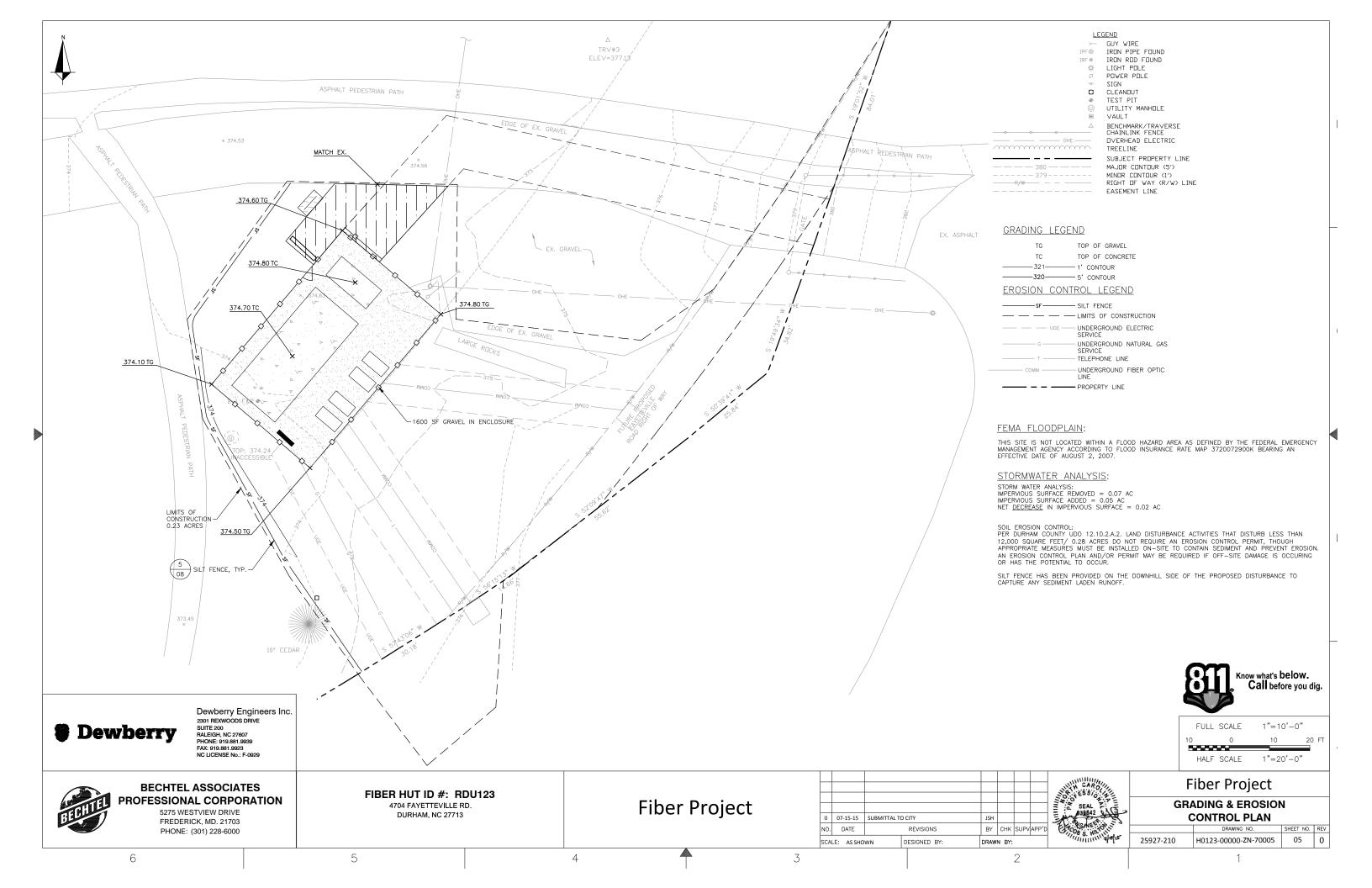
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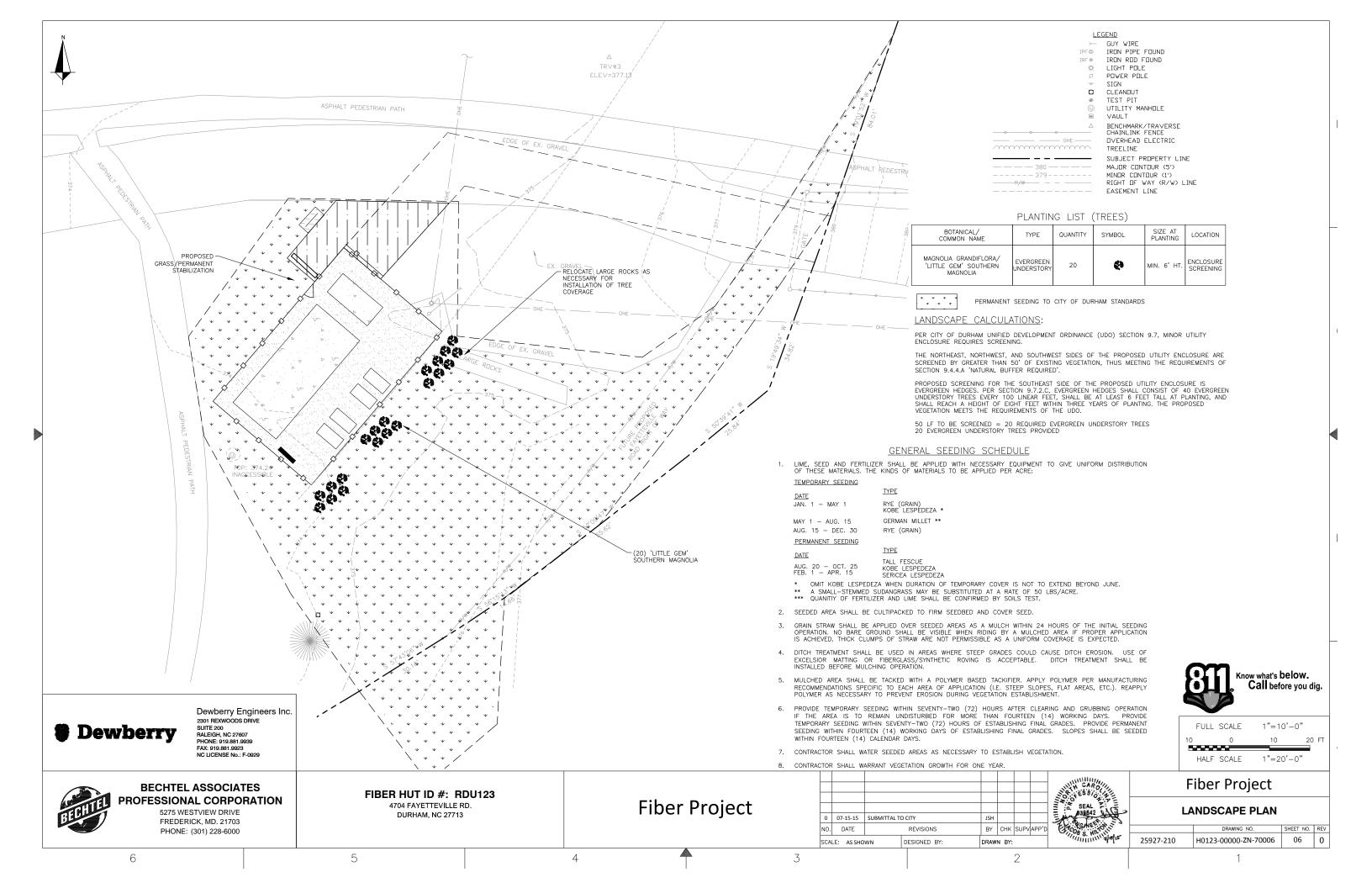


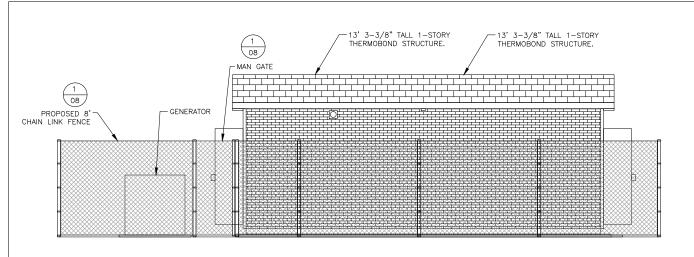




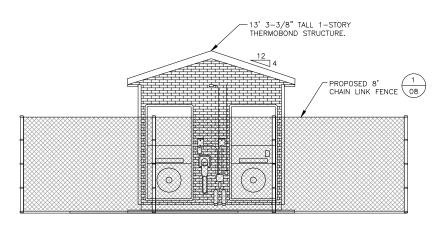




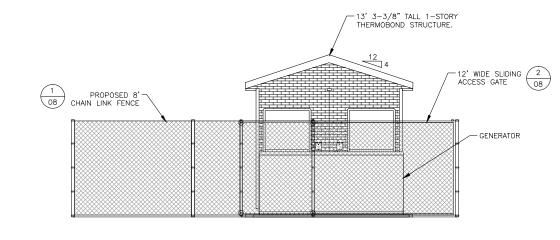




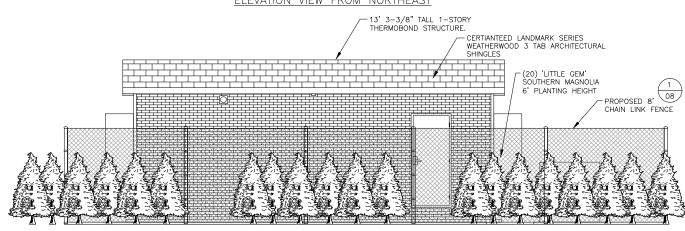
ELEVATION VIEW FROM NORTHWEST



ELEVATION VIEW FROM SOUTHWEST



ELEVATION VIEW FROM NORTHEAST



ELEVATION VIEW FROM SOUTHEAST



Dewberry Engineers Inc. 2301 REXWOODS DRIVE SUITE 200 RALEIGH, NC 27607 PHONE: 919.881.9939 FAX: 919.881.9923 NC LICENSE No.: F-0929

BECHTEL PI

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Fiber Project

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FULL SCALE 1/4"= 1'-0" 4 0 4 8 F HALF SCALE 1/8"=1'-0"

Know what's below.
Call before you dig.

Fiber Project

COMPOUND ELEVATION

DRAWING NO. SHEET NO. F 25927-210 H0123-00000-ZN-70007 07

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